Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in this application. Added text is indicated by <u>underlining</u>, and deleted text is indicated by <u>strikethrough</u>. Changes are identified by a vertical bar at the left edge of text.

Listing of Claims:

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1-14. (canceled).

15. (currently amended) An access control management method according to claim 10-32 wherein, at said requesting acquisition of first information for identifying an external apparatus from said external apparatus, a MAC address is obtained from said host computer external apparatus by adoption of a protocol based on an iSCSI text mode negotiation.

16-22. (canceled)

(new) A storage system for processing a command transmitted by a host 23. 1 computer connected to a storage apparatus of the storage system by a network, said storage 2 3 system comprising: a storage unit for storing data to be processed in accordance with said command; 4 a memory for holding an access management table for storing first information on 5 6 identification of said host computer; means for receiving an iSCSI login request transmitted from the host computer; 7 means for determining a first determination whether or not a source address 8 included in an IP header of the iSCSI login request is an IP address in the same segment as a port 9 of the storage apparatus; 10 means for obtaining a MAC address assigned to the port of the host computer 11

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when the source address included in the IP header is not an IP address in the same network as the

port of the storage apparatus as a result of the first determination;

14	means for determining a second determination whether or not the MAC address
15	has been cataloged in an access management table that defines the MAC addresses identifying
16	the host computer;
17	means for approving an access by said iSCSI login request from the host
18	computer to the storage apparatus when the MAC address has been cataloged in the access
19	management table as a result of the second determination;
20	means for determining a third determination whether or not a logical unit (LU)
21	specified by the command has been cataloged in the access management table as the LU
22	associated with the source IP address of a frame including the command;
23	means for performing said second determination and said third determination in
24	accordance with a source MAC address in the frame of iSCSI login request sent from said host
25	computer and said access management table when the source IP address of the iSCSI login
26	request is in the same segment as the port of its storage apparatus according to said first
27	determination; and
28	means for accessing the LU to process the command when said LU has been
29	cataloged in the access management table as a result of the third determination.
1	24. (new) A storage system according to claim 23, wherein a command is
2	given to a SNMP manager that transmits a request to the host computer to acquire an MIB for the
3	source IP address included in the iSCSI login request to obtaining the MAC address.
1	25. (new) A storage system according to claim 23, wherein a MAC address is
2	obtained from said host computer by adoption of a protocol based on an iSCSI text mode
3	negotiation.
1	26. (new) A storage system according to claim 23, further comprising:
2	a control memory for recording log data that the iSCSI login request has been
3	made from a port of another network when the source address included in the IP header were not

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host computer;

the IP address in the same network as the port of the storage apparatus according to said the first 4 5 determination means. (new) A storage system according to claim 24, further comprising: 27. 1 means for determining whether or not a predetermined time has lapsed without a 2 response received from the host computer, wherein said second determination is performed if the 3 storage apparatus receives an SNMP response to a SNMP request to the host computer without 4 5 causing a timeout. (new) A storage system according to claim 23, further comprising, 28. 1 a control memory for recording log data indicating that the access from said host 2 3 computer has not been approved therein, wherein processing of the command is not carried out if the requested access is 4 determined to be a disallowed access to the LU by the third determination means. 5 (new) An access control management method for processing a command 29. 1 comprising an access request transmitted by a host computer to a storage apparatus by way of a 2 network, said access control management method comprising the steps of: 3 receiving an iSCSI login request transmitted from the host computer; 4 determining a first determination as to whether or not a source address included in 5 an IP header of the iSCSI login request is an IP address in the same segment as a port of the 6 7 storage apparatus; obtaining a MAC address assigned to the port of the host computer when the 8 source address included in the IP header is not an IP address in the same network as the port of 9 the storage apparatus as a result of the first determination; 10 determining a second determination as to whether or not the MAC address has 11

been cataloged in an access management table that defines the MAC addresses identifying the

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14	approving an access by said iSCSI login request from the host computer to the
15	storage apparatus when the MAC address has been cataloged in the access management table as
16	a result of said second determination;
17	determining a third determination as to whether or not a logical unit (LU)
18	specified by the command has been cataloged in the access management table as the LU
19	associated with the source IP address of a frame including the command;
20	performing said second determination and said third determination in accordance
21	with a source MAC address in the frame of iSCSI login request sent from said host computer and
22	said access management table when the source IP address of the iSCSI login request is in the
23	same segment as the port of its storage apparatus according to said first determination; and
24	accessing to the LU to process the command when said LU has been cataloged in
25	the access management tables as a result of the third determination.
. 4	30. (new) An access control management method according to claim 29,
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2	wherein a command is given to a SNMP manager that transmits a request to the host computer to
3	acquire an MIB for the source IP address included in the iSCSI login request to obtaining the
4	MAC address.
1	31. (new) An access control management method according to claim 29,
2	wherein log data that the iSCSI login request has been made from a port of another network is
3	recorded in a control memory if the source address included in the IP header were not the IP
4	address in the same network as the port of the storage apparatus according to said the first
5	determination.
1	32. (new) An access control management method according to claim 30,
2	further comprising:
3	determining whether or not a predetermined time has lapsed without a response

received from the host computer, wherein said second determination is performed if the storage

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- 5 apparatus receives an SNMP response to a SNMP request to the host computer without causing a
- 6 timeout.
- 1 33. (new) An access control management method according to claim 29,
- 2 wherein log data indicating that the access from said host computer has not been approved is
- 3 recorded in a control memory and processing of the command is not carried out if the requested
- 4 access is determined to be a disallowed access to the LU on the third determination.